

CLAIMS

We claim:

1. An apparatus for displaying images, said apparatus comprising
a light transmissive inner hollow body having a central axis and a surface with
translucent images thereon,
an electric light source inside said inner hollow body,
an outer hollow body surrounding said inner body and having a common central
axis, said outer hollow body comprising a light transmissive material which serves as a
projection screen, whereby said images can be projected onto said projection screen by said light
source, and
an electric motor which rotates one of said inner hollow body and said outer
hollow body with respect to the other of said inner hollow body and said outer hollow body
whereby said projected images move on said projection screen.

2. An apparatus as in claim 1 wherein said electric motor rotates said inner
hollow body about said axis with respect to said outer hollow body, whereby said projected
images move on said projection screen.

3. An apparatus as in claim 1 wherein both said inner hollow body and said
outer hollow body are at least substantially spherical and concentric.

4. An apparatus as in claim 2 further comprising a housing fixed to said outer
hollow body, said housing holding said electric motor and said light source, said light source
being rotatable with respect to said housing.

1 5. An apparatus as in claim 4 further comprising a rotating member which is
2 driven by said motor for rotation relative to said housing, said light source being fixed in said
3 rotating member, said inner hollow body having a neck surrounding a first opening concentric to
4 said axis, said neck engaging said rotating member.

1 6. An apparatus as in claim 5 wherein said inner hollow body has a second
2 opening concentric to said axis and axially opposed from said first opening.

1 7. An apparatus as in claim 4 wherein said outer hollow body has a first
2 opening concentric to said axis, said opening engaging said housing.

1 8. An apparatus as in claim 7 wherein said housing is formed with a
2 circumferential flange, said opening being formed in two halves with a channel concentric to
3 said axis, said channel engaging said flange when said halves are assembled.

1 9. An apparatus as in claim 8 wherein both said inner hollow body and said
2 outer hollow body are at least substantially spherical and concentric.

1 10. An apparatus as in claim 6 wherein said outer hollow body has a second
2 opening concentric to said axis and axially opposed from said first opening.

1 11. An apparatus as in claim 1 wherein said outer hollow body has an outer
2 surface on which a translucent material is provided, said translucent material serving as said
3 projection screen.

1 12. An apparatus as in claim 1 wherein said outer hollow body has a surface
2 with translucent images thereon, said inner hollow body being free of images adjacent to said
3 images on said outer hollow body.

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1 13. An apparatus for displaying images, said apparatus comprising
2 an inner hollow body having a central axis and a surface with images thereon,
3 an outer hollow body surrounding said inner body and having a common central
4 axis, said outer hollow body having an area which provides visibility of said images, and
5 an electric motor which rotates said inner hollow body about said axis with
6 respect to said outer hollow body, whereby said images move with respect to said outer hollow
7 body.

8 14. An apparatus as in claim 13 wherein both said inner hollow body and said
9 outer hollow body are at least partially spherical and concentric.

10 15. An apparatus as in claim 13 further comprising a housing fixed to said
11 outer hollow body, said housing holding said electric motor.

12 16. An apparatus as in claim 15 further comprising a rotating member which
13 is driven by said motor for rotation relative to said housing, said inner hollow body having a
14 neck defining a first opening concentric to said axis, said neck engaging said rotating member.

15 17. An apparatus as in claim 15 wherein said outer hollow body has a first
16 opening concentric to said axis, said opening engaging said housing.

1 18. An apparatus as in claim 17 wherein said outer hollow body has a second
2 opening concentric to said axis and axially opposed from said first opening, said apparatus
3 further comprising a cover which is engageable to said outer hollow body to cover said first
4 opening.

1 19. An apparatus as in claim 13 further comprising a light source located
2 inside said inner hollow body, said images on said inner hollow body being translucent.

1 20. An apparatus as in claim 19 wherein said outer hollow body comprises a
2 translucent material which serves as a projection screen, whereby said translucent images are
3 projected onto said projection screen by said light source.

1 21. An apparatus as in claim 13 further comprising at least one tubular sleeve
2 fitted to a respective at least one of said inner hollow body and said outer body, said at least one
3 tubular sleeve bearing at least one of translucent imagery and a translucent projection screen.

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